

CLAIMS

What is claimed is:

- 5 1. A composition comprising a plurality of yeast cells, wherein said plurality of yeast cells are characterized by their ability to normalize the level of serum glutamate-pyruvate Transaminase (GPT), or reduce serum HBsAg levels in a subject, said ability resulting from their having been cultured in the presence of an alternating electric field having a frequency in the range of 7900-12400 MHz
10 and a field strength in the range of 240-500 mV/cm, as compared to yeast cells not having been so cultured.
2. The composition of claim 1, wherein said frequency is in the range of 7900-8100, 9850-10050, or 12200-12400 MHz.
- 15 3. The composition of claim 1, wherein said field strength is in the range of 260-280, 270-290, 290-320, 300-330, 310-340, 320-350, 330-360, 360-390, 400-440, or 430-470 mV/cm.
- 20 4. The composition of claim 1, wherein said yeast cells are of the species selected from the group consisting of *Saccharomyces cerevisiae*, *Saccharomyces carlsbergensis*, *Saccharomyces rouxii*, *Saccharomyces sake*, *Saccharomyces uvarum*, *Saccharomyces sp.*, *Schizosaccharomyces pombe*, and *Rhodotorula aurantiaca*.
- 25 5. The composition of claim 1, wherein said yeast cells are of the strain deposited at the China General Microbiological Culture Collection Center with an accession number selected from the group consisting of *Saccharomyces cerevisiae* Hansen AS2.561 and AS2.69, *Saccharomyces sp.* AS2.311,
30 *Schizosaccharomyces pombe* Lindner AS2.994, *Saccharomyces sake* Yabe ACCC2045, *Saccharomyces uvarum* Beijer IFFI1044, *Saccharomyces rouxii* Boutroux AS2.180, *Saccharomyces cerevisiae* Hansen Var. ellipsoideus AS2.612,

Saccharomyces carlsbergensis Hansen AS2.377, or *Rhodotorula rubra* (Demme) Lodder AS2.282.

6. The composition of claim 1, wherein said composition is in the form
5 of a tablet, powder, or a health drink.

7. The composition of claim 1, wherein said composition is in the form
of a health drink.

10 8. A method of treating hepatitis B in a subject, comprising
administering the composition of claim 1 to the subject.

9. The method of claim 8, comprising oral administration.

15 10. A method of preparing a yeast composition, comprising culturing a
plurality of yeast cells in the presence of an alternating electric field having a
frequency in the range of 7900-12400 MHZ and a field strength in the range of
240-500 mV/cm for a period of time sufficient to substantially increase the
capability of said plurality of yeast cells to normalize the level of serum glutamate-
20 pyruvate Transaminase or reduce serum Hepatitis B surface antigen levels.